#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Douglas L. McMakin et al.

**Application No. 10/697,848** 

Filed: October 30, 2003 Confirmation No. 9762

For: DETECTING CONCEALED OBJECTS AT

A CHECKPOINT

Examiner: Isam Alsomiri

Art Unit: 3662

Attorney Reference No. 23-70738-05

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# <u>INFORMATION DISCLOSURE STATEMENT</u> <u>PURSUANT TO 37 C.F.R. § 1.97(b)(4)</u>

Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language documents. Applicants respectfully request that these documents be listed as references cited on the issued patent.

Copies of United States patents and United States published patent applications do not have to be provided to the Patent Office (37 C.F.R. 1.98(a)(2)(ii)). Copies of unpublished U.S. applications do not have to be provided, as long as the application is available on PAIR, as this requirement of 37 C.F.R. § 1.98(a)(2)(iii) has been waived by the United States Patent and Trademark Office pursuant to the Official Gazette Notice on October 19, 2004 (1287 OG 163). Applicants will provide copies of such patents or applications upon request.

Applicants filed this Information Disclosure Statement ("IDS") before the mailing of a first Office action after the filing of a Request for Continued Examination. As a result, no fee should be required to file this IDS. However, if the Patent Office determines that a fee is

required for Applicants to file this IDS, please charge any such fees, or credit overpayment, to Deposit Account No. 02-4550.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.

Respectfully submitted,

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# INFORMATION DISCLOSURE STATEMENT

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Attorney Docket Number	23-70738-05
Application Number	10/697,848
Filing Date	October 30, 2003
First Named Inventor	McMakin
Art Unit	3662
Examiner Name	Isam Alsomiri

## U.S. PATENT DOCUMENTS

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		3,755,810	8/28/1973	Latham et al.
		4,829,303	5/9/1989	Zebker et al.
		4,910,523	3/20/1990	Huguenin et al.
		5,047,783	9/10/1991	Hugenin
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	5,142,255	8/25/1992	Chang et al.
		5,640,589	6/17/1997	Takayama et al.
		5,953,448	9/17/1999	Liang
		6,271,856	8/7/2001	Krishnamurthy
		6,373,963	4/16/2002	Demers et al.
		6,377,865	4/23/2002	Edelsbrunner et al.
		6,542,249	4/1/2003	Kofman et al.
		6,546,309	4/8/2003	Gazzuolo
		6,639,684	10/28/2003	Knighton et al.
		6,690,474	2/10/2004	Shirley
		6,703,964	3/9/2004	McMakin et al.
		6,734,849	5/11/2004	Dimsdale et al.
,,		6,876,322	4/5/2005	Keller

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<sup>\*</sup> Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

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SEP 1 8 2006

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Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee	
		7,034,746	4/25/2006	McMakin et al.	

### U.S. PATENT APPLICATION DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant
		2002/0158368	10/31/2002	Wirth, Jr.
		2002/0167726	11/14/2002	Barman et al.
		2003/0137646	7/24/2003	Hoffman et al.
·····		2004/0023612	2/5/2004	Kriesel
		2004/0140924	7/22/2004	Keller et al.
		2006/0066469	3/30/2006	Foote et al.

	FOREIGN PATENT DOCUMENTS					
Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee	
		Great Britain	GB 2034554	6/4/1980	Voles	
		Great Britain	GB 2083715	3/24/1982	Wren et al.	
Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS				
		Abbott, "Personal Surveillance System," <i>IBM Technical Disclosure Bulletin</i> , Vol. 12, No. 7, pp. 1119-1120 (Dec. 1969).				
		Aoki et al., "Diagnosis of Under-Snow Radar Images by Three Dimensional Displaying Technique in Holographic Imaging Radar," <i>Proc. of IGARSS '87 Symposium</i> , pp. 571-576 (May 18-21, 1987).				

<sup>\*</sup> Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

OTTO RMATION DISCLOSURE STATEMENT **BY APPLICANT** 

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Cite No. (optional)	OTHER DOCUMENTS			
	Boyer et al., "Reconstruction of Ultrasonic Images by Backward Propagation," Ch. 18, pp. 333-349 (1970).			
	Bruner, "An Introduction to the Body Measurement System for Mass Customized Clothing," downloaded from http://www.techexchange.com/thelibrary/bmsdes.html, 11 pp. (document marked as published January 2004).			
	Collins, "Error Analysis in Scanned Holography," Thesis, Oregon State University (1970).			
	Farhat, "High Resolution Microwave Holography and the Imaging of Remote Moving Objects," <i>Optical Engineering</i> , Vol. 14, No. 5, pp. 499-505 (1975).			
	Fujita et al., "Polarimetric Calibration of the SIR-C C-Band Channel Using Active Radar Calibrators and Polarization Selective Dihedrals," <i>IEEE Transactions on Geoscience and Remote Sensing</i> , Vol. 36, No. 6, pp. 1872-1878 (1998).			
	Hildebrand et al., "An Introduction to Acoustical Holography," pp. vii, 20-21 (1974).			
	Keller et al., "Privacy Algorithm for Cylindrical Holographic Weapons Surveillance System," <i>IEEE Aerospace and Electronic Systems Magazine</i> , Vol. 15, No. 2, pp. 17-24 (2000).			
	McMakin et al., "Cylindrical Holographic Imaging System Privacy Algorithm Final Report," Pacific Northwest National Laboratory, Richland, WA (1999).			
	McMakin et al., "Detection of Concealed Weapons and Explosives on Personnel Using a Wide-band Holographic Millimeter-Wave Imaging System," American Defense Preparedness Association Security Technology Division Joint Security Technology Symposium, Williamsburg, Va., (1996).			
	McMakin et al., "Millimeter-wave high-resolution holographic surveillance systems," <i>Proc. SPIE</i> , Vol. 2092, pp. 525-535 (1993).			
	McMakin et al., "Wideband, millimeter-wave, holographic weapons surveillance system," <i>Proc. SPIE</i> , Vol. 2511, pp. 131-141 (1995).			
	Michelson et al., "A Calibration Algorithm for Circular Polarimetric Radars," <i>Journal of Electromagnetic Waves and Applications</i> , Vol. 11, pp. 659-674 (1997).			
	Osumi et al., "Detection of Buried Plant," <i>IEE Proceedings</i> , Vol. 135, Pt. F, No. 4 (Aug. 1988).			
	Sheen et al., "Concealed explosive detection on personnel using a wideband holographic millimeter-wave imaging system," <i>Proc. SPIE</i> , Vol. 2755, pp. 503-513 (1996).			
	Sheen et al., "Cylindrical millimeter-wave imaging technique for concealed weapon detection," <i>Proc. SPIE</i> , Vol. 3240, pp. 242-250 (March 1998).			

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	_	Sheen et al., "Three-Dimensional Millimeter-Wave Imaging for Concealed Weapon	
1	_	Detection," <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. 49, No. 9, pp. 1581-1592 (2001).	
		Sinclair et al., "Passive millimetre wave imaging in security scanning," <i>Proc. SPIE</i> , Vol. 4032, pp. 40-45 (2000).	
		Soumekh, "Fourier Array Imaging," pp. 339-348 (1994).	
		Tricoles et al., "Microwave Holography: Applications and Techniques," <i>Proceedings of the IEEE</i> , Vol. 65, No. 1, pp. 108-121 (Jan. 1977).	
		Yngvesson et al., "Endfire Tapered Slot Antennas on Dielectric Substrates," <i>IEEE Trans. on Antennas and Propagation</i> , Vol. AP-33, No. 12, pp. 1392-1400 (Dec. 1985).	
		Yueh et al., "Calibration of polarimetric radars using in-scene reflectors," Journal of	
		Electromagnetic Waves and Applications, Vol. 4, No. 1, pp. 27-48 (1990).	

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